



Safety Data Sheet

ZEROL® 200TD (4308-07, 4308-05, 4308-01)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Trade Name: ZEROL® 200TD (4308-07, 4308-05, 4308-01) **Revision Date:** 5/31/2022

1.2 Relevant identified uses of the substance or mixture and uses advised against

Intermediate.

1.3 Details of the supplier of the safety data sheet

Shrieve Chemical Products

1442 Lake Front Circle

Suite 500

THE WOODLANDS, TX 77380 US

phone: (800) 367-4226 Customer Service

e-mail: cust-serv@shrieve.com

website: www.shrieve.com

DISTRIBUTOR

Nu-Calgon

2611 Schuetz Road

St. Louis, MO 63043

Emergency Phone: 800-554-5499

1.4 Emergency telephone number

CHEMTREC 800-424-9300 (US)
+1-703-741-5970 (International)

Additional Information

Poison Control: (800) 222-1222

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

2.2 Label elements

Signal Word No Signal Word

Hazard Statements

Precautionary Statements

2.3 Other hazards

No information available.

2.4 Unknown Acute Toxicity (US)

No information available.

SECTION 3: Composition/information on ingredients

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| Chemical Name | CAS Number | EC # | Concentration % by Weight | Classification |
|-----------------------|------------|------|---------------------------|----------------|
| Lubricant Additive(s) | - | | < 1 | |
| Synthetic Alkylate(s) | - | | | |

Additional Information

Ingredients and composition are withheld as trade secret in accordance with 29CFR1910.1200(i).

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

No hazards which require special first aid measures.

After inhalation

Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get immediate medical attention if symptoms persist.

After skin contact

Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

After eye contact

Immediately flush eyes with plenty of water. Get medical attention if irritation persists.

After ingestion

Rinse mouth with water. Drink plenty of water. Do not induce vomiting. Get immediate medical attention if you feel unwell. Never give anything by mouth to an unconscious person.

Self-protection of the first aider

No information available.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Dry chemical, carbon dioxide, regular foam extinguishing agent, spray.

Unsuitable extinguishing media

Avoid use of water jet for extinguishing.

5.2 Special hazards arising from the substance or mixture

Oxides of carbon.

5.3 Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear. In case of fire, wear a full-face positive pressure self-contained breathing apparatus and protective suit.

Additional Information

Keep adjacent containers cool with water spray.

SECTION 6: Accidental release measures

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6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin or eyes. Avoid contact with spilled materials. Use appropriate personal protective equipment. Ensure adequate ventilation.

6.2 Environmental precautions

Prevent material from entering drains, soil, or watercourses using sand, earth or other appropriate barriers.

6.3 Methods and material for containment and cleaning up

Small Spill: Contain and soak up spill with non-combustible absorbent material. Dampen and scoop spilled material into suitable containers, seal, and label. Avoid mixing spilled material with other chemicals or debris. Avoid runoff into storm sewers and ditches which lead to waterways.

Large spill : Shut off leak if safe to do so. Remove all possible sources of ignition. Contain spill with inert, absorbent material. Reclaim into recovery or salvage drums or vacuum truck for proper disposal. Treat residues as small spills.

6.4 Reference to other sections

No information available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid breathing (dust, vapor, mist, gas). Avoid contact with skin and eyes. Ground and bond containers when transferring material. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry, well-ventilated place away from heat, open flame, or sources of ignition. Store away from incompatible materials (see section 10).

7.3 Incompatibilities/Specific end uses(s)

| | |
|----------------------------|---------------------------|
| Incompatibilities | No information available. |
| Specific end use(s) | No information available. |

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No information available.

8.2 Engineering Controls/Exposure Controls

| | |
|--|--|
| Engineering controls | Ensure adequate ventilation at places where dust is formed. Ensure that eyewash stations and safety showers are close to the workstation location. |
| Environmental exposure controls | No information available. |

8.3 Protective Measures

| | |
|--------------------------------------|---|
| Eye/face protection | Wear safety glasses with side shields (or goggles) or a face shield. |
| Hand protection | Use protective clothing, sleeves, boots, face protection and chemical resistant gloves. Use extra precautions when working with heated materials. |
| Other Skin protection | Wear protective clothing appropriate to the risk of exposure. |
| Other protection | No information available. |
| Respiratory protection | Use appropriate protection if there is risk of breathing the mists or vapors or heated materials. Use suitable respiratory equipment if risk of insufficient ventilation. |
| General hygiene consideration | Wash hands, forearms and face before eating, drinking, smoking and using the restroom. Launder contaminated clothing before re-use. |
| Thermal hazards | No information available. |

SECTION 9: Physical and chemical properties

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9.1 Information on basic physical and chemical properties

| Property | Value |
|--------------------------|---------------------------|
| Appearance | Clear and viscous. |
| Autoignition Temperature | No information available. |
| Boiling Point | No information available. |
| Colors | Colorless. |
| Flash Point | 180°C/356°F. |
| Pour Point | -45°C/-49°F. |
| Specific Gravity | 0.87 at 15°C/59°F. |
| State of Matter | No information available. |
| Thermal Decomposition | No information available. |
| Vapor Pressure | No information available. |
| Viscosity | 39 cSt at 40°C/104°F. |
| Viscosity | 4.9 cSt at 100°C/212°F. |
| pH Value | No information available. |

9.2 Other information

SECTION 10: Stability and Reactivity

10.1 Reactivity

Stable under normal conditions.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

Avoid excessive heat, sparks or open flames.

10.5 Incompatible materials

Strong oxidizers.

10.6 Hazardous decomposition products

Under normal conditions, no hazardous decomposition products should be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Source

Skin contact

No information available.

Eye contact

No information available.

Inhalation

No information available.

Ingestion

No information available.

Symptoms related to characteristics

No information available.

Acute effects

DERMAL LD50: > 2000 mg/kg.
ORAL LD50: > 2000 mg/kg.

Chronic effects

No information available.

Numerical measures of Toxicity

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| | |
|---|---|
| Skin corrosion/irritation | Not a primary irritant. |
| Serious eye damage/eye irritation | Not a primary irritant. |
| Respiratory sensitization | Not expected. |
| Skin sensitization | Not expected. |
| Carcinogenicity | No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA. |
| Germ cell mutagenicity | Not expected. |
| Reproductive toxicity | Not expected. |
| Specific target organ toxicity - single exposure | Not expected. |
| Specific target organ toxicity - repeated exposure | Not expected. |
| Aspiration hazard | No information available. |

SECTION 12: Ecological information

12.1 Toxicity

Not classified as an environmental hazard.

12.2 Persistence and degradability

Expected to be partially or slowly biodegradable.

12.3 Bioaccumulative potential

Expected to have a very slow rate of bioaccumulation.

12.4 Mobility in soil

Insoluble in water. Adsorbs to soil and has low mobility.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

No information available.

12.7 Additional Information

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Handling for disposal

No information available.

Methods of disposal

Dispose of contents/container to a licensed contractor or facility in accordance with local, state and federal regulations. Materials are suitable for burning or disposal at a supervised incineration facility.

Contaminated packaging

Clean container thoroughly and dispose to licensed disposal contractor. Do not weld, cut, or braze empty containers, or allow product residue to come in contact with other sources of ignition as they may contain residue which could ignite.

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SECTION 14: Transport Information

D.O.T/ADR/RID - Ground transportation

- 14.1 UN number No information available.
- 14.2 UN proper shipping name Not regulated for transportation by DOT, TDG, IMDG, and ICAO/IATA.
- 14.3 Transport hazard class(es)
- 14.4 Packing group

Air transport (ICAO/IATA)

- 14.1 UN number No information available.
- 14.2 UN proper shipping name Not regulated for transportation by DOT, TDG, IMDG, and ICAO/IATA.
- 14.3 Transport hazard class(es)
- 14.4 Packing group

Sea transport (IMDG)

- 14.1 UN number No information available.
- 14.2 UN proper shipping name Not regulated for transportation by DOT, TDG, IMDG, and ICAO/IATA.
- 14.3 Transport hazard class(es)
- 14.4 Packing group

14.5 Environmental hazards

No information available.

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of Marpol112 and the IBC Code

No information available.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Massachusetts Right To Know Components

Lubricant Additive(s) < 1%

New Jersey Right To Know Components

Lubricant Additive(s) < 1%

Pennsylvania Right To Know Components

Lubricant Additive(s) < 1%

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| Country or region | Inventory List | Listed or Exempt (yes/no) |
|--------------------------|--|---------------------------|
| Canada | Canada Domestic Substance List (Canada DSL) | Yes |
| China | Inventory of Existing Chemical Substances in China (IECSC) | Yes |
| South Korea | Korea Existing Chemicals Inventory (KECI / KECL) | Yes |
| New Zealand | New Zealand Inventory of Chemicals (NZIoC) | Yes |
| Philippines | Philippines Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| Taiwan | Taiwan Chemical Substance Inventory (TCSI) | Yes |
| United States of America | U.S. - Toxic Substances Control Act (TSCA) - Inventory list | Yes |
| Vietnam | The Vietnam National Chemicals Inventory (NCI) | Yes |

15.2 Chemical Safety Assessment

California Prop. 65 Statement: This product does not require a warning under California Prop. 65.

SECTION 16: Other Information

Specific Hazard N/A

HMIS Ratings

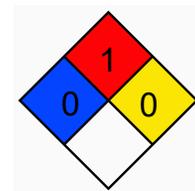
| | |
|----------------------------|---|
| HEALTH | 0 |
| FLAMMABILITY | 1 |
| PHYSICAL HAZARD | 0 |
| PERSONAL PROTECTION | |

0 - Normal Material

1 - Above 200°F

0 - Stable, even under fire conditions and will not re-act with water, etc.

NFPA



The information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the result of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

Revision Date: 5/31/2022